SIGMA-ALDRICH

Material Safety Data Sheet

Version 3.0 Revision Date 08/20/2009 Print Date 07/29/2010

Product name	: Tripropylamine			
Product Number	: 239712			
Brand	: Aldrich			
Company	: Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO USA	63103		
Telephone	: +18003255832			
Fax	: +18003255052			
Emergency Phone #	: (314) 776-6555			
OMPOSITION/INFORM	ATION ON INGREDIENTS			
Formula	: C ₉ H ₂₁ N			
Molecular Weight	: 143.27 g/mol			
CAS-No.	EC-No.	Index-No.	Concentration	
Tripropylamine				
102-69-2	203-047-7	-	-	
AZARDS IDENTIFICAT	ION			
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4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Continue rinsing eyes during transport to hospital. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point

34 °C (93 °F) - closed cup

Ignition temperature 180 °C (356 °F)

Suitable extinguishing media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place.

hygroscopic

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves.

Eye protection

Tightly fitting safety goggles. Faceshield (8-inch minimum).

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form		liquid
Colour		colourless
Safety data	a	
pН		11.4 at 2.6 g/l at 20 °C (68 °F)
Melting	point	-93.5 °C (-136.3 °F) - lit.
Boiling p	point	155 - 158 °C (311 - 316 °F) at 1,013 hPa (760 mmHg) - lit. 40 - 42 °C (104 - 108 °F) at 15 hPa (11 mmHg) - lit.
Flash po	pint	34 °C (93 °F) - closed cup
Ignition	temperature	180 °C (356 °F)
Lower e	xplosion limit	0.7 %(V)
Upper e	xplosion limit	5.6 %(V)
Vapour	pressure	3.9 hPa (2.9 mmHg) at 20 °C (68 °F)
Density		0.753 g/mL at 25 °C (77 °F)
Water so	olubility	no data available
Partition n-octanc	coefficient: ol/water	log Pow: 2.68
Relative density	vapour	4.95 - (Air = 1.0)

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Conditions to avoid

Exposure to moisture may affect product quality. Heat, flames and sparks.

Materials to avoid

acids, Oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

Hazardous reactions

Vapours may form explosive mixture with air.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - rat - 96 mg/kg

LC50 Inhalation - rat - 4 h - 1,500 mg/m3

LD50 Dermal - rabbit - 429 mg/kg

Irritation and corrosion

Skin - rabbit - Severe skin irritation

Sensitisation

no data available

Chronic exposure

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea

Potential Health Effects

Inhalation	Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Skin	Toxic if absorbed through skin. Causes skin burns.
Eyes	Causes eye burns.
Ingestion	Toxic if swallowed. Causes burns.

Additional Information RTECS: TX1575000

12. ECOLOGICAL INFORMATION

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Ecotoxicity effects Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 100 mg/l - 48 h and other aquatic invertebrates. Toxicity to algae EC50 - Scenedesmus subspicatus - 23 mg/l - 72 h Further information on ecology no data available DISPOSAL CONSIDERATIONS Product Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. This combustible material may be burned in a chemical incinerator equipped with a afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging Dispose of as unused product. FRANSPORT INFORMATION DOT (US) UN-Number: 2260 Class: 3 (8) Packing group: III Proper shipping name: Tripropylamine Warine pollutant: No Poison Inhalation Hazard: No MDG UN-Number: 2260 Class: 3 (8) Packing group: III Proper shipping name: TRIPROPYLAMINE Proper shipping name: Tripropylamine Warine pollutant: No MDC UN-Number: 2260 Class: 3 (8) Packing group: III Proper shipping name: Tripropylamine Warine pollutant: No MDC MDC MATA UN-Number: 2260 Class: 3 (8) Packing group: III Proper shipping name: Tripropylamine Warine pollutant: No MDC MDC MDA	Biodegradability				
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SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302	SARA 302 Components		e subject to the repor		
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SARA 311/312 Hazards Fire Hazard, Acute Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
Tripropylamine	102-69-2	1993-04-24
Pennsylvania Right To Know Components		
	CAS-No.	Revision Date
Tripropylamine	102-69-2	1993-04-24
New Jersey Right To Know Components		
	CAS-No.	Revision Date
Tripropylamine	102-69-2	1993-04-24

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

Further information

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